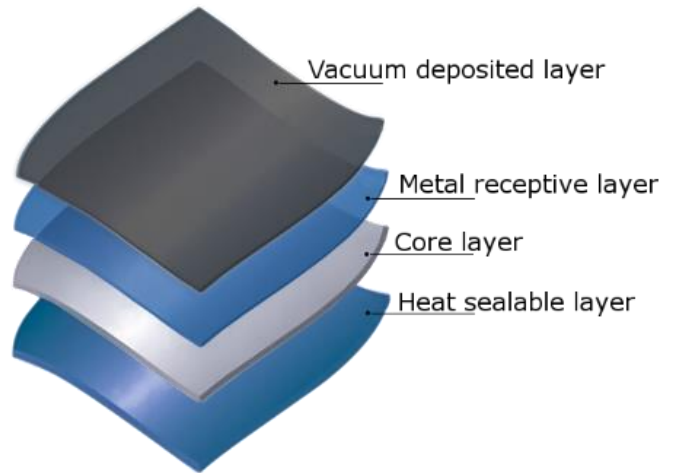




FXCHM is coextruded metallized high barrier BOPP film, heat sealable on the non metallized side, with very good barrier properties (water and oxygen permeability). Excellent metal adhesion.



TYPICAL APPLICATIONS

- Barrier packaging
- Suitable for print and lamination
- Single web application
- Suitable for cold seal application

Low thickness films are recommended for HFFS and VFFS packaging machines as inner sealable layer in laminated structure

High thickness films could be used like one layer structure printed on metallized side

Properties		Test	Deviation	Typical Values			
Thickness, μm		Internal method		18	20	25	30
Average thickness deviation, %			\pm	2.5	2.5	2.5	2
Yield, m^2/kg			$\pm 5\%$	61	54.9	44	36.6
Unit weight, g/m^2			$\pm 5\%$	16.4	18.2	22.7	27.3
Optical Density, O.D.			± 0.2	2.5	2.5	2.5	2.5
Coefficient of Friction** (non metallized side)		ASTM D 1894	± 0.05	0.30	0.30	0.30	0.30
Shrinkage, %							
(120°C, 5 min)	MD	BMS TT 0.2		5.0	5.0	5.0	5.0
	TD			2.0	2.0	2.0	2.0
Elongation at break, %							
	MD	ASTM D 882	± 30	210	210	210	210
	TD			80	80	80	80
Sealing range *, °C				105÷145	105÷145	105÷145	105÷145
Seal strength, N/15 mm, 130°C, 1 bar 1 sec		BMS TT 0.1	± 0.5	2.2	2.2	2.2	2.5
Tensile strength, MPa							
	MD	ASTM D 882	± 30	140	140	140	140
	TD			240	240	240	240
OTR ($\text{cc}/\text{m}^2/\text{day}$)		ASTM D 3985 23°C - $\pm 0\%$ RH		≤ 45			
WVTR ($\text{gr}/\text{m}^2/\text{day}$)		ASTM F 1249 38°C - 90% RH		≤ 0.30			

*- the sealing range starts with SIT (sealing initiation temperature)

** - Dynamic Coefficient of friction untreated to untreated side

Converting recommendations

Before printing or laminating the use of an inline corona station is recommended, with proper power, in order to boost the treatment of the metal surface. It is highly advisable to be used adequate primer when the metallized surface is to be printed. Metallized films should be laminated because the metal layer is not resistant to scratches.



The specified values are based on average results, measured by the manufacturer during standard production. They should not be considered as Data Sheet of any particular product.

The end user should be satisfied as to the suitability of the product for the intended application and the present regulatory regime. Therefore, Plastchim-T AD disclaims any liability for damages arising from the non-suitability of the product for the effected application.

Food contact: The BOPP Film complies with all national and international standards and requirements for food contact (metallized layer must not in direct contact with food). The Declaration of Compliance is accessible at www.plastchim-t.com.

INDICATION OF METALLIZED SURFACE

FXCHM is usually supplied with metallized layer on the outside surface, in case of requirement for metallized layer inside, this must be agreed with our sales representative before order processing.

PACKING

	Core Diameter	Outer Diameter *	Notes
Vertical	152 mm (6`)	≤ 550 mm	≤ 700 mm – two or more rows > 700 mm – one row
	76 mm (3`)		
Horizontal	152 mm (6`)	≤ 770 mm	
	76 mm (3`)		

(*) In case of no other requirements

TOLERANCES

Weight tolerance, depending on the order volume	Width tolerance	Length tolerance
≤ 1 000 kg ± 20%	± 2 mm	±5 %
1001 ÷ 10 000 ± 10%		
>10 000 ± 5%		

Storage and Transportation Terms & Conditions

Palletizing of goods is done according to customer's requirements.

The storage of all goods is in dry, covered and clean warehouses.

The transportation of the goods is carried out in dry, covered and clean means of transport.

The recommended temperature of storage/transportation is 10-30°C. If the temperature is not within the recommended limits, the following issues may occur:

- Decrease of dyne level
- Poor adhesion of the film surface that on a later stage could be an issue for laminating and printing

Excessive humidity can be a reason for film blocking.

It is recommended that BOPP film should be tempered at operating room temperature for 24 hours before use.

Metalized films should be laminated because the metal layer is not resistant to scratches. Before printing on metalized films, it is strongly recommended to apply a primer. As the metalized surface of such films is sensitive to storage conditions, there is no guarantee on the surface treatment. Plastchim-T AD does provide 15 days guarantee (considered from the date of metallization) on films with surface treatment of 36 dyn/cm.

Claims regarding to the transportation are accepted within 1 week after the delivery date. If any, a record has to be taken in the CMR.

If any hidden defects occur, Plastchim-T AD may agree to refund the cost for up to 3 rolls from a certain order.

Last update: 10th January 2020